Abbreviated Report Form
Heating Energy Analysis Comparison Report

Builder's Name:

Project Address:

City/Township/County:

PROPOSED ALTERNATIVE HOUSE		STANDARD DESIGN HOUSE	
ROOF/CEILING (INC. SKYLIGHTS)	**SUBTOTALS**	**ROOF/CEILING (INC. SKYLIGHTS)**	**SUBTOTALS**
A_1 _____ /R_1 _____ = A_1 /R_1 _____ A_2 _____ /R_2 _____ = A_2 /R_2 _____ A_3 _____ /R_3 _____ = A_3 /R_3 _____ _____ A_1 /R_1 + A_2 /R_2 + A_3 /R = Total Roof/Ceiling Area	_____ Line 1	_____ x $Z_1$0.034 $Z_2$0.032 = Total Roof/Ceiling Area $Z_3$0.030	_____ Line A
GROSS WALL		**GROSS WALL**	
Opaque Wall (Does not include band joist, windows, doors, etc.) A_1 _____ /R_1 _____ = A_1 /R_1 _____ A_2 _____ /R_2 _____ = A_2 /R_2 _____ A_1 /R_1 + A_2 /R_2 =	_____ Line 2		
Band Joist A _____ /R _____ = A /R _____ =	_____ Line 3		
Fenestration and Doors, Windows A_1 _____ /R_1 _____ = A_1 /R_1 _____ A_2 _____ /R_2 _____ = A_2 /R_2 _____ A_3 _____ /R_3 _____ = A_3 /R_3 _____ A_1 /R_1 + A_2 /R_2 + A_3 /R_3 =	_____ Line 4		
Doors A_1 _____ /R_1 _____ = A_1 /R_1 _____ A_2 _____ /R_2 _____ = A_2 /R_2 _____ A_1 /R_1 + A_2 /R_2 =	_____ Line 5		
Other A _____ /R _____ = A/R _____ = _____ Total Gross Wall Area	_____ Line 6		
GROSS WALL SUBTOTAL A/R **(Lines: 2+3+4+5+6)**	_____ Line 7	_____ x $Z_1$0.15 $Z_2$0.14 = Total Gross Wall Area $Z_3$0.13	_____ Line B

FOUNDATION/FLOOR	SUBTOTALS
Floors Over Unconditioned Spaces A _____ /R _____ = A/R _____ =	_____ Line 8
Slab on Grade Floors (Area = Perimeter x 2') A _____ /R _____ = A/R _____ =	_____ Line 9
Crawl Space Walls (Area: Top foundation wall to average finished grade) A _____ /R _____ = A/R _____ =	_____ Line 10
Basement Walls (Area: Top foundation wall to average finished grade) A_1 _____ /R_1 _____ = A_1 /R_1 _____ A_2 _____ /R_2 _____ = A_2 /R_2 _____ A_1 /R_1 + A_2 /R_2 = **Basement Windows** A _____ /R _____ = A/R _____ = _____ Total Gross Basement Wall Area	_____ Line 11 _____ Line 12
FOUNDATION/FLOOR SUBTOTAL A/R **(Lines: 8+9+10+11+12)**	_____ Line 13
PROPOSED ALTERNATIVE HOUSE SUB-TOTAL A/R **(Lines: 1+7+13)**	_____ Line 14
HEATING EQUIPMENT EFFICIENCY **(If the same as Standard House, go to line 16 or 17)** **(Oil or Gas Fired) AFUE: _____%** **Line 14: _____ = Adjusted A/R =** **AFUE: 0.___**	_____ Line 15
AIR LEAKAGE RATE **(If the same as Standard House, go to line 17)** _____ ACH x _____ ft^3 x 0.018 = Air Changes per Hour Volume of House	_____ Line 16
PROPOSED ALTERNATIVE HOUSE TOTAL **(Lines: 15+16)** **Equal to or less than line L to pass**	_____ Line 17

FOUNDATION/FLOOR	SUBTOTALS
Floors Over Unconditioned Spaces _____ x $Z_1$0.05 $Z_2$0.05 = $Z_3$0.033 Total Floor Area	_____ Line C
Slab on Grade (Unheated) _____ x $Z_1$0.16 $Z_2$0.14 = $Z_3$0.13 Total Slab Edge Area **Slab on Grade (Heated)** _____ x $Z_1$0.12 $Z_2$0.10 = $Z_3$0.10 Total Slab Edge Area	_____ Line D _____ Line E
Crawl Space _____ x $Z_1$0.15 $Z_2$0.14 = $Z_3$0.13 Total Crawl Space Wall Area	_____ Line F
Basement Walls _____ x $Z_1$0.15 $Z_2$0.14 = $Z_3$0.13 Total Gross Basement Wall Area	_____ Line G
FOUNDATION/FLOOR SUBTOTAL A/R **(Lines: C+D+E+F+G)**	_____ Line H
STANDARD DESIGN HOUSE SUB-TOTAL A/R **(Lines: A+B+H)**	_____ Line I
HEATING EQUIPMENT EFFICIENCY **(Oil or Gas Fired) AFUE: 78%** **Line I: _____ = Adjusted A/R =** **AFUE: 0.78**	_____ Line J
AIR LEAKAGE RATE 0.8 ACH x _____ ft^3 x 0.018 = Volume of House	_____ Line K
STANDARD DESIGN LIMIT TOTAL **(Lines: J+K)**	_____ Line L